AMENDMENTS TO THE CLAIMS

Upon entry of this amendment, the following listing of claims will replace all prior versions and listings of claims in the pending application.

Please cancel claims 3 and 10 without prejudice or disclaimer of the subject matter therein.

Please amend the pending claims as follows:

1. (Currently Amended) In at least one electronic device, a method of sharing data between a first computer aided design (CAD) application and a second CAD application, comprising:

the first CAD application storing the data in the form of feature information and feature history relating to a modeled object the data stored as native data and a sub-set of native data, wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data;

providing the second CAD application with access to the feature information and feature history stored by the first CAD application; and

the second CAD application reading the native data feature information and the feature history stored by the first CAD application, such that the second application can at least one of one of evaluate, recreate, regenerate, and/or model the modeled object, the feature information, and the feature history.

2. (Currently Amended) The method of claim 1, wherein storing comprises placing the native data and a the sub-set of native data on a recordable medium.

3. (Canceled)

4. (Currently Amended) The method of claim 31, wherein the first library of executable routines is embedded within the first CAD program application.

5. (Currently Amended) The method of claim 31, wherein the first library of executable routines is a component accessible by the first CAD program application.

6. (Original)   The method of claim 1, wherein providing access comprises providing a plug-in having an application program interface (API) and being accessible by the second CAD application, and conveying at least one of the feature information and the feature history to the plug-in.

7. (Original)   The method of claim 6, wherein native data and a sub-set of native data form the feature information and the feature history.

8. (Currently Amended)   In at least one electronic device, a method of sharing data between a first computer aided design (CAD) application and a second CAD application, comprising:

the second CAD application gaining access to the data relating to feature information and feature history relating to a modeled object the data stored as native data and a sub-set of native data, wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data; and

the second CAD application reading the native data feature information and the feature history stored by the first CAD application, such that the second application can at least one of one of evaluate, recreate, regenerate, and/or model the modeled object, the feature information, and the feature history.

9. (Currently Amended) The method of claim 8, further comprising the first CAD application placing the native data and a the sub-set of native data on a recordable medium.

10. (Canceled)

11. (Currently Amended) The method of claim 108, wherein the first library of executable routines is one of embedded within the first CAD program application and a component accessible by the first CAD program application.

12. (Original) The method of claim 11, wherein a plug-in has an application program interface (API) suitable for communicating with the first CAD application and conveying at least one of the feature information and the feature history to the plug-in.

13. (Original) The method of claim 12, wherein native data and a sub-set of native data form the feature information and the feature history.

14. (Currently Amended) A system for modeling an object, comprising:

    a first CAD application;

    a second CAD application;

    feature information and feature history relating to an object modeled on the first CAD application stored in a first memory store as native data and a sub-set of native data, wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data;

    a plug-in accessible by the second CAD application and suitable for accessing and retrieving the feature information and feature history to enable the second CAD application to create a second model of at least a portion of the object modeled on the first CAD application and be able to evaluate and manipulate the feature information and feature history without the first CAD application having to export a file containing the object.

15. (Currently Amended) In at least one electronic device, a method of communicating between a first application and a second application, comprising:

    generating feature information and feature history as an object is modeled in the first application;

    storing the feature information and feature history as native data and a sub-set of native data, wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data; and

    utilizing an application program interface (API) to retrieve the feature information and feature history and convey the feature information and feature history to the second application.

16. (Currently Amended) A computer readable medium containing software suitable for executing a method of sharing data between a first computer aided design (CAD) application and a second CAD application, the method comprising:

    the first CAD application storing the data in the form of feature information and feature history relating to a modeled object the data stored as native data and a sub-set of native data,

wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data;

providing the second CAD application with access to the feature information and feature history stored by the first CAD application as native data; and

the second CAD application reading the feature information and the feature history stored by the first CAD application, such that the second application can at least one of one of evaluate, recreate, regenerate, and.or model the modeled object, the feature information, and the feature history.

17. (Currently Amended) A computer readable medium containing software suitable for executing a method of sharing data between a first computer aided design (CAD) application and a second CAD application, the method comprising:

the second CAD application gaining access to the data relating to feature information and feature history relating to a modeled object the data stored as native data and a sub-set of native data, wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data; and

the second CAD application reading the feature information and the feature history stored by the first CAD application, such that the second application can at least one of one of evaluate, recreate, regenerate, and/or model the modeled object, the feature information, and the feature history.

18. (Currently Amended) A computer readable medium containing software suitable for executing a method of communicating between a first application and a second application, the method comprising:

generating feature information and feature history as an object is modeled in the first application;

storing the feature information and feature history as native data and a sub-set of native data, wherein the sub-set of native data results from processing the native data with at least one routine from a first library of executable routines to derive the sub-set of native data; and

utilizing an application program interface (API) to retrieve the feature information and feature history and convey the feature information and feature history to the second application.